

IGFBP3 Antibody

Mouse Monoclonal Antibody [Clone IGFBP3/3424]

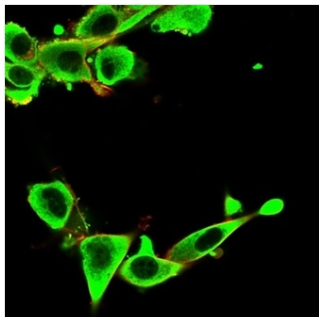
Catalog No	Format	Size
3486-MSM4-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
3486-MSM4-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
3486-MSM4-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	

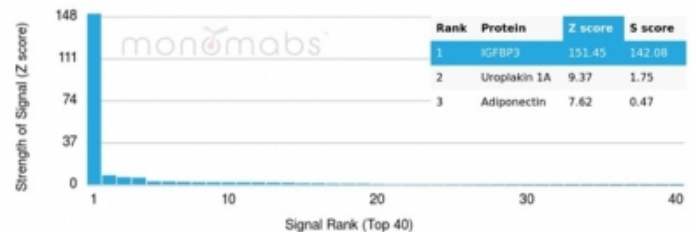
Product Details	
Clone	IGFBP3/3424
Gene Name	IGFBP3
Immunogen	Recombinant human full-lengthIGFBP3protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2b / Kappa
Mol. Weight of Antigen	40/44kDa
Cellular Localization	Secreted
Species Reactivity	Human
Positive Control	U-87 or A-431 cells.

*Optimal dilution for a specific application should be determined.

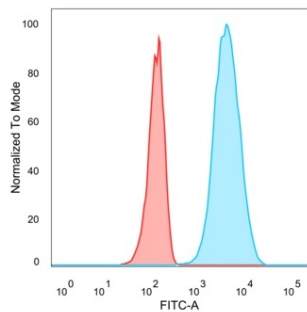
Product Images for IGFBP3 Antibody



Immunofluorescence analysis of PFA-fixed U87 cells. IGFBP3 Mouse Monoclonal Antibody (IGFBP3/3424) followed by goat anti-mouse IgG-CF488 (green). CF640A phalloidin (red).



Immunofluorescence analysis of PFA-fixed U87 cells. IGFBP3 Mouse Monoclonal Antibody (IGFBP3/3424) followed by goat anti-mouse IgG-CF488 (green). CF640A phalloidin (red).



Flow cytometric analysis of PFA-fixed U87 cells. IGFBP3 Mouse Monoclonal Antibody (IGFBP3/3424) followed by goat anti-mouse IgG-CF488 (blue); isotype control (red).

Specificity & Comments

The Insulin-like growth factor-binding proteins, or IGFBPs, are a family of homologous proteins that have co-evolved with the IGFs. They serve not only as shuttle molecules for the soluble IGFs, but also confer a level of regulation to the IGF signaling system. Physical association of the IGFBPs with IGF influences the bio-availability of the growth factors, as well as their concentration and distribution in the extracellular environment. In addition, the IGFBPs appear to have biological activity independent of the IGFs. Seven IGFBPs have thus far been described, each differing in their tissue distribution, half-lives and modulation of IGF interactions with their receptors. IGFBP3 is the most abundant IGFBP and is complexed with roughly 80% of the serum IGFs. Both IGFBP3 and IGFBP4 are released by dermal fibroblasts in response to incision injury.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Cardiovascular, Mesenchymal Stem Cell Differentiation, Transcription Factors